

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled).

Claim 2 (previously presented): The method according to claim 12, wherein the local connection is selected from the group consisting of an electrical connection, a magnetic connection, an inductive connection and an optical connection.

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Claim 3 (previously presented): The method according to claim 12, wherein the local connection is an electrical connection of respective charging contacts of the mobile unit and the base station.

Claim 4 (previously presented): The method according to claim 12, wherein a binary signal is transmitted via the local connection.

Claim 5 (previously presented): The method according to claim 12, wherein the step of recognizing the logon situation is triggered when the mobile unit is placed onto the base station.

Claim 6 (previously presented): The method according to claim 12, wherein the step of generating the identifier includes generating the identifier as a random number.

Claim 7 (previously presented): The method according to claim 12, wherein the identifier is generated by the mobile unit and is transmitted to the base station in the step of transmitting the identifier via the radio connection.

Claim 8 (previously presented): The method according to claim 12, wherein the acknowledgment signal is generated by the mobile part unit and is transmitted to the base station.

Claim 9 (previously presented): The method according to claim 12, wherein the acknowledgment signal is transmitted within a predetermined time interval in response to a request signal transmitted via the radio connection.

Claim 10 (previously presented): The method according to claim 12 further comprising the step of:

transmitting logon data via the radio connection.

Claim 11 (canceled).

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Claim 12 (previously presented): A method for logging a mobile unit on a base station comprising the steps of:

recognizing a logon situation wherein at least one of the mobile unit and the base station determines that the mobile unit is not yet logged on at the base station;

generating an identifier;

transmitting the identifier via a radio connection between the mobile unit and the base station;

transmitting a request for identification with an acknowledgement signal via the radio connection between the mobile unit and the base station;

transmitting the acknowledgement signal via a local connection, separate from the radio connection, between the mobile unit and the base station;

echoing back the identifier via the radio connection between the mobile unit and the base station, and memorizing the received echoed back identifier; and

acknowledging the receipt of the echoed back identifier via the radio connection between the mobile unit and the base station.

Claim 13 (previously presented): A communication system having at least one mobile unit and at least one base station, comprising:

- a means for recognizing a logon situation;
- a means for generating an identifier;
- a radio connection between the at least one mobile unit and the at least one base station;
- a local connection, separate from the radio connection, between the at least one mobile unit and the at least one base station;
- a first means for transmitting the identifier via the radio connection;
- a second means for transmitting a request for identification with an acknowledgement signal via the radio connection;
- a third means for transmitting the acknowledgement signal via the local connection;
- a fourth means for echoing back the identifier via the radio connection, and a memory for memorizing the received echoed back identifier; and
- a fifth means for acknowledging the receipt of the echoed back identifier.

Claim 14 (previously presented): An apparatus having at least one mobile unit and a base station comprising:

a base station having a first control unit, a confirmation receiver, a first charging connector connected to the confirmation receiver and a first analog assembly configured for sending and receiving radio frequency signals;

at least one mobile unit having a second control unit, a confirmation transmitter, a second charging connector connected to the confirmation transmitter and a second analog assembly configured for sending and receiving radio frequency signals;

a radio connection between the base station and the at least one mobile unit via the first and second analog assemblies; and

a local connection formed by the connection of the first and second charging connectors;

wherein the first and second control units are configured to detect a logon of the at least one mobile unit to the base station; the second control unit generates an identifier and sends the identifier to the second analog assembly; the second analog assembly transmits a first data frame including the identifier to the first analog assembly via the radio connection; the first analog

assembly is configured to receive the first data frame and send the first data frame to the first control unit and transmit a request for identification with an acknowledgment signal to the second analog assembly via the radio connection in response to the first control unit; the confirmation transmitter transmits the acknowledgement signal to the confirmation receiver via the local connection in response to receiving the request for identification in the second analog assembly; the first analog assembly echoes back the identifier to the at least one mobile unit via the radio connection upon receiving the acknowledgement signal; and the second analog assembly sends a signal back to the first analog assembly acknowledging receipt of the identifier via the radio connection.

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Claim 15 (new): A method for logging a mobile unit on a base station comprising:
recognizing a logon situation wherein at least one of the mobile unit and the base station determines that the mobile unit is not yet logged on at the base station;
generating an identifier;
transmitting the identifier via a radio connection from the mobile unit to the base station;
transmitting a request for identification with an acknowledgement signal via the radio connection to the mobile unit from the base station;
transmitting the acknowledgement signal via a local connection, separate from the radio connection, from the mobile unit to the base station;
echoing back the identifier via the radio connection to the mobile unit from the base station, and memorizing the received echoed back identifier; and
acknowledging the receipt of the echoed back identifier via the radio connection from the mobile unit to the base station.

Claim 16 (new): The method according to claim 15, wherein the local connection is at least one of an electrical connection, a magnetic connection, an inductive connection and an optical connection.

Claim 17 (new): The method according to claim 15, wherein the local connection is an electrical connection of respective charging contacts of the mobile unit and the base station.

Claim 18 (new): The method according to claim 15, wherein a binary signal is transmitted via the local connection.

Claim 19 (new): The method according to claim 15, wherein recognizing the logon situation is triggered when the mobile unit is placed onto the base station.

Claim 20 (new): The method according to claim 15, wherein generating the identifier includes generating the identifier as a random number.

Claim 21 (new): The method according to claim 15, wherein the identifier is generated by the mobile unit and is transmitted to the base station in the step of transmitting the identifier via the radio connection.

Claim 22 (new): The method according to claim 15, wherein the acknowledgment signal is generated by the mobile part unit and is transmitted to the base station.

Claim 23 (new): The method according to claim 15, wherein the acknowledgment signal is transmitted within a predetermined time interval in response to a request signal transmitted via the radio connection.

Claim 24 (new): The method according to claim 15 further comprising:
transmitting logon data via the radio connection.

Claim 25 (new): A communication system having at least one mobile unit and at least one base station, comprising:

means for recognizing a logon situation;

means for generating an identifier;

a radio connection between the at least one mobile unit and the at least one base station;

a local connection, separate from the radio connection, between the at least one mobile unit and the at least one base station;

a first device for transmitting the identifier via the radio connection from the mobile unit to the base station;

a second device for transmitting a request for identification with an acknowledgement signal via the radio connection to the mobile unit from the base station;

a third device for transmitting the acknowledgement signal via the local connection from the mobile unit to the base station;

a fourth device for echoing back the identifier via the radio connection to the mobile unit from the base station, and a memory for memorizing the received echoed back identifier; and

a fifth device for acknowledging the receipt of the echoed back identifier from the mobile unit to the base station.